Task 10: CRUD Operation In Document Database

Aim:

To perform Mongoose using NPM design on MangoDB designing document database and performing CRUD operations like creating, inserting, querying, finding and removing operation.

CRUD Operation:

```
db-create collection ("mylab")
("ok".1)
>
db.mylab.insertOne({Item:" canvas", qty: 100, tags["cotton"]
    size:{ h:28, w: 35, vom," cm"}})
{
    "anchnowledge": true;
    "inserted": ObjectId("627d13acc73990c074e8397c")
}
>db.mylab. find ({item: "canvas"})
("id":objectId("627d13acc73990c074e8397c"),"item":
    canvas","qty":100, "tags": ["cotton"], "size": {"h":28,
    "w":35-5,"unom": "cm"}}
> db.mylab.insertMany([{item:" journal", qty :25, tags:
    ["black","red"], size:{h:14, w: 21, uom: "cm"}}, {item:
    "mat", qty :85, tags: ["gray"], size:{h:25-9, w: 35-5. uom:
    "cm"}}, {item: "mousepad", qty:25, tags:["ged","bue"],
    size:{h:19,w:22.85, uom: "cm"}}])
{
    "achnowledge": true
    "insertedits":[
```

```
            ObjectId("627d1598c7399c074e6397d")
        ObjectId("627d1598c7399c074e6397e");
        ObjectId("627d1598c73990c074e6397f").
        ObjectId("627d1598c73990c074e6397f")
    ]
}
> db.mylab.find({}, {item: 1, qty: 1})
{"_id": objectId("627d13a8c73990c074e6397c"),
    "item": convas", qty ": 100}
{"_id": objectId("627d1598c73990c074e6397d"),
    "item": journal", "qty ": 25}
{ "_id: objectId("627d1598c73990c074e6397e"),
    "item". journal ", "qty": 85}
{ "_id: objectId("627d1598c73990c074e6397f"),
    "item", journal ", "qty": 25}
> db.mylab.find({}, {item: 1, qty: 1}).pretty()
{
    "_id": objectId("627d13ace73990c074e6397c")
    "item": "convas",
    "qty": 100
}
{
    "_id": objectId("627d1598c73990c074e6397d")
    "item": "journal",
    "qty": 25
}
{
    "_id": objectId("627d1598c73990c074e6493e"),
    "item": "mousepad"
```

```
"qty": 25
}
>db.mylab.find({item:"convas"}).pettny(),sort
({item:-1}).
{
  "_id": objectld("627d43acc 73990 c07le63970")
  "item":"convas"
  "qty": 100,
  "tag":[
    "cotton"
  ];
  size":{
    "h": 28,
    "w": 35-5
    "Uom": "cam"
  }
}
```

VEL TECH	
EX No.	10
PERFORMANCE (5)	5
RESULT AND ANALYSIS (3)	3
VIVA VOCE (3)	3
RECORD (4)	4
TOTAL (15)	15
SIGN WITH DATE	

Result:

The implementation of CRUD operation like creating, inserting, finding and removing operation using MangoDB is successfully exuted.